

Operating Guide

AB-QM 4.0 Flexo / 73693710

AB-QM 4.0 Flexo, DN 15-20 (80 mm)



MAINTENANCE
FREE



-10 ... 95°C



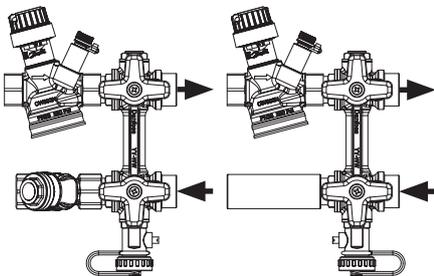
PN 25



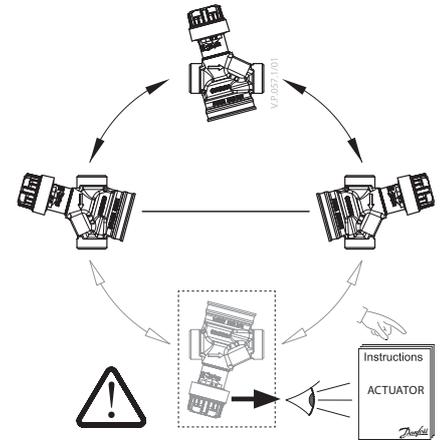
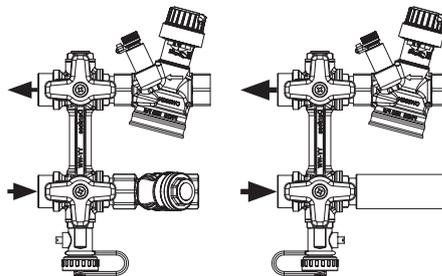
$\Delta p_{max.} = 600\text{kPa}$
(6 bar)

Installation

Left-hand version



Right-hand version



Installation

DN15	27 mm	
DN20	29 mm	

Max 25Nm

DN15	27 mm	
DN20	29 mm	

Max 25Nm

DN15	26 mm	
DN20	32 mm	

DN15	27 mm	
DN20	29 mm	

Max 25Nm

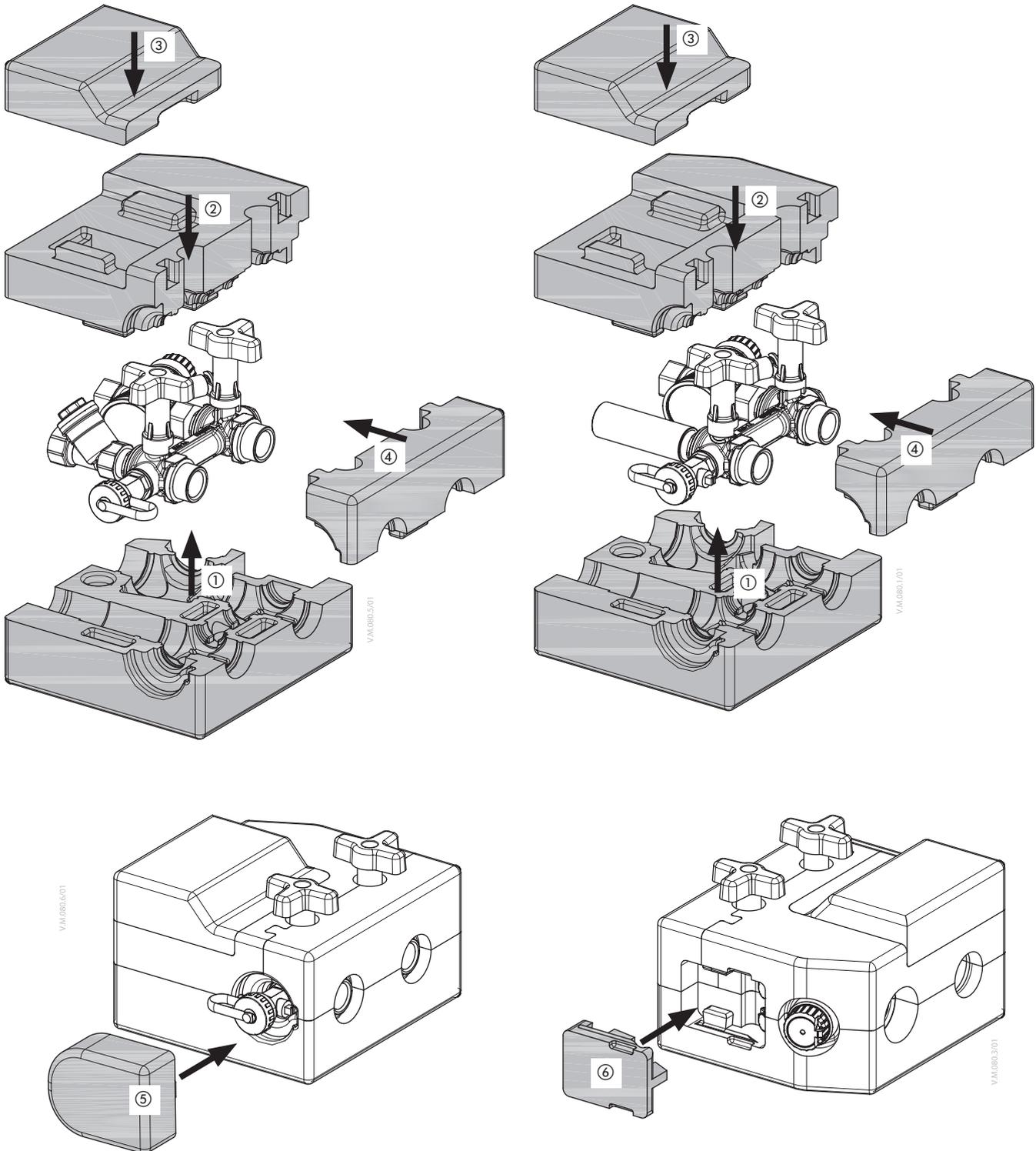
DN15	27 mm	
DN20	29 mm	

Max 25Nm

	27 mm	
	29 mm	
	32 mm	
	26 mm	
	32 mm	

AB-QM 4.0 Flexo, DN 15-20

Insulation

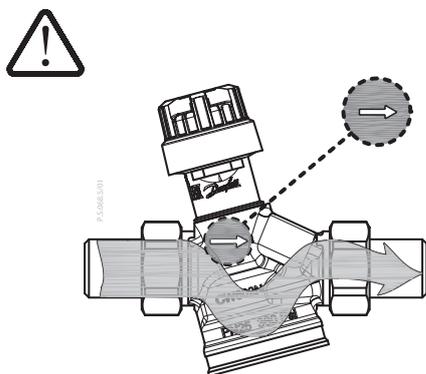


Note:

In cooling application depending on design condition and humidity, Flexo set shall be insulated fully with vapor tight insulation.

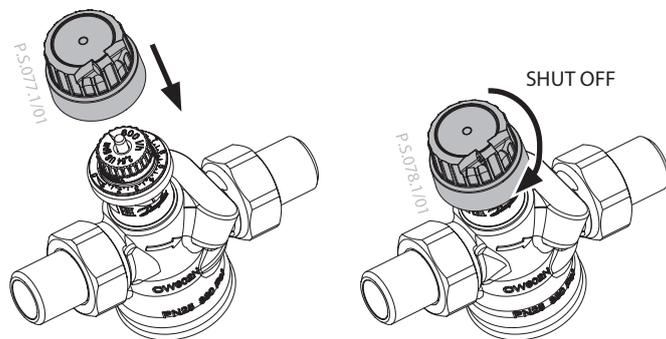
AB-QM 4.0 Flexo, DN 15-20

Setting

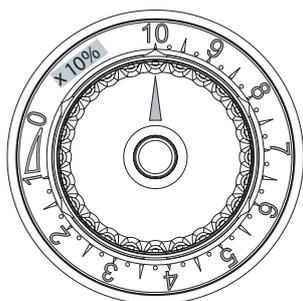


Shut-off

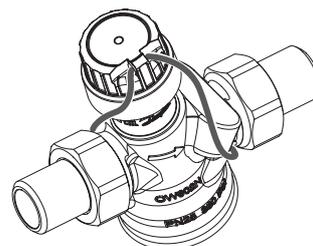
$\Delta p_{max} = 10 \text{ bar}$



Setting

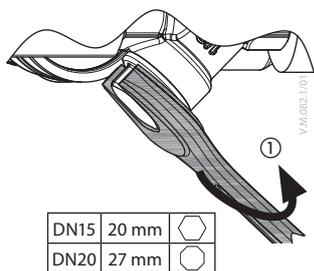


Locking

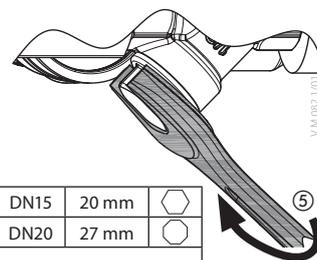
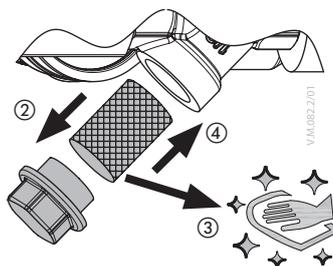


Filter cleaning

	16, 20 mm	
	27 mm	



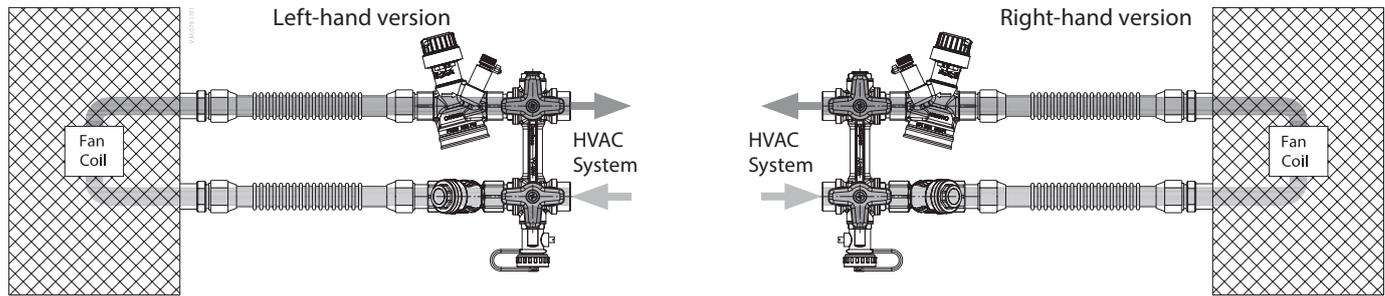
DN15	20 mm	
DN20	27 mm	



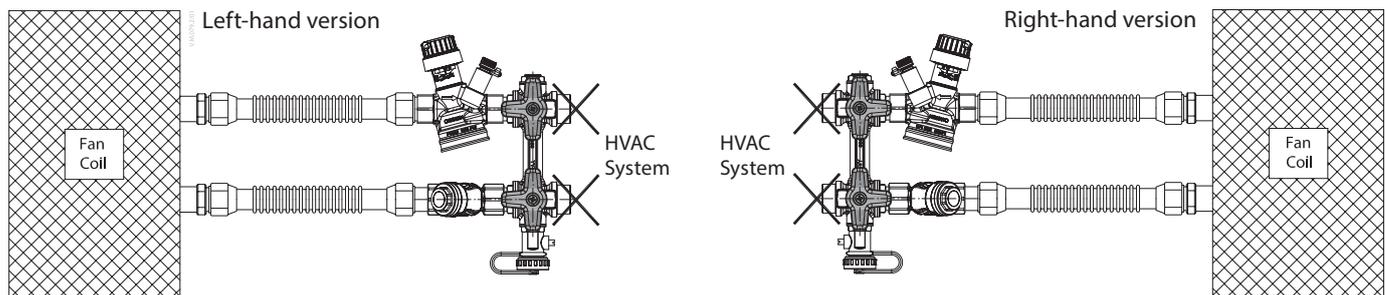
DN15	20 mm	
DN20	27 mm	
Max 10 Nm (till metal touches metal)		

AB-QM 4.0 Flexo, DN 15-20

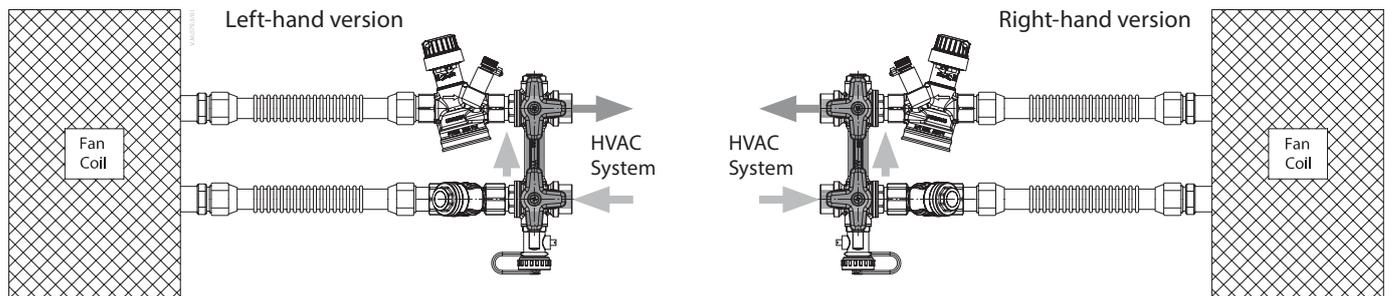
Operation



Shut-off/Maintenance

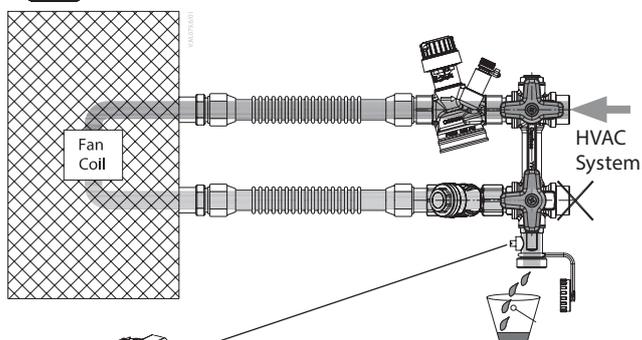


Flushing of main pipe



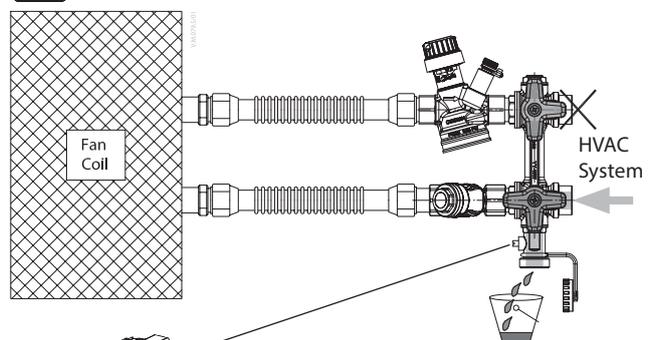
Backward flushing

For the right-hand version the function is mirrored.



Forward flushing

For the right-hand version the function is mirrored.



CLOSE OPEN

	5 mm	<input type="checkbox"/>
	3.5 - 4.5 mm × 0.7 mm	<input type="checkbox"/>

CLOSE OPEN

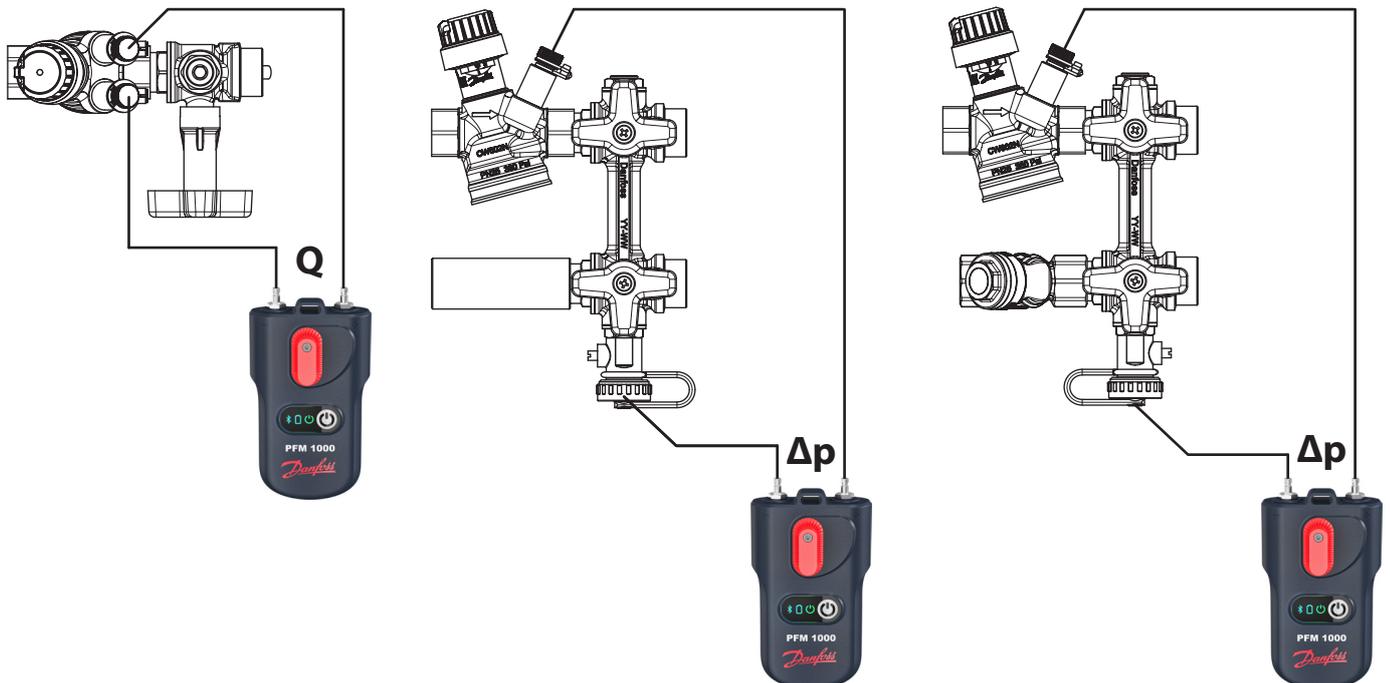
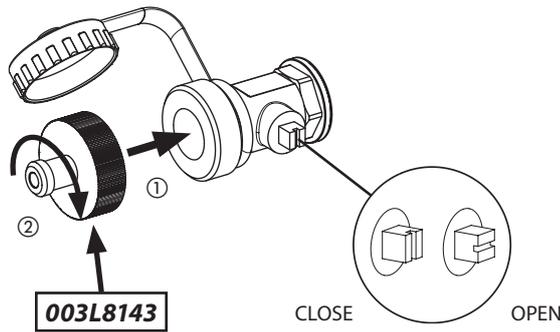
	5 mm	<input type="checkbox"/>
	3.5 - 4.5 mm × 0.7 mm	<input type="checkbox"/>

AB-QM 4.0 Flexo, DN 15-20

Sizing

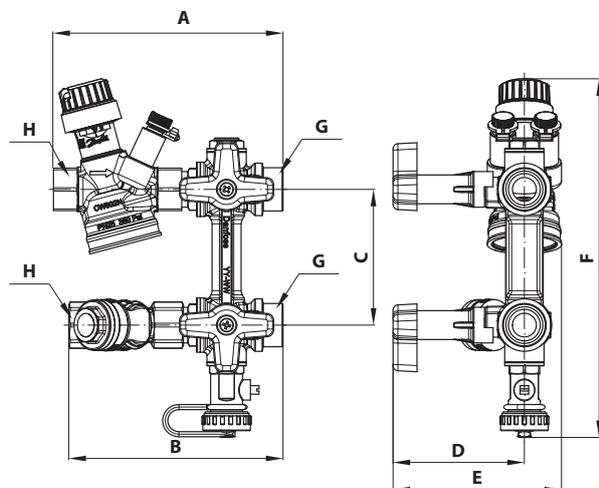
Setting	DN15 LF			DN 15			DN 15 HF			DN 20			DN 20 HF		
	L/h	L/s	GPM	L/h	L/s	GPM	L/h	L/s	GPM	L/h	L/s	GPM	L/h	L/s	GPM
10%	20	0.006	0.09	70	0,019	0,31	120	0.033	0.53	110	0.03	0.48	190	0.053	0.84
15%	30	0.008	0.13	105	0,029	0,46	180	0.050	0.79	165	0.05	0.73	285	0.079	1.25
20%	40	0.011	0.18	140	0,039	0,62	240	0.067	1.06	220	0.06	0.97	380	0.106	1.67
25%	50	0.014	0.22	175	0,049	0,77	300	0.083	1.32	275	0.08	1.21	475	0.132	2.09
30%	60	0.017	0.26	210	0,058	0,92	360	0.100	1.59	330	0.09	1.45	570	0.158	2.51
35%	70	0.019	0.31	245	0,068	1,08	420	0.117	1.85	385	0.11	1.70	665	0.185	2.93
40%	80	0.022	0.35	280	0,078	1,23	480	0.133	2.11	440	0.12	1.94	760	0.211	3.35
45%	90	0.025	0.40	315	0,088	1,39	540	0.150	2.38	495	0.14	2.18	855	0.238	3.76
50%	100	0.028	0.44	350	0,097	1,54	600	0.167	2.64	550	0.15	2.42	950	0.264	4.18
55%	110	0.031	0.48	385	0,107	1,7	660	0.183	2.91	605	0.17	2.66	1045	0.290	4.60
60%	120	0.033	0.53	420	0,117	1,85	720	0.200	3.17	660	0.18	2.91	1140	0.317	5.02
65%	130	0.036	0.57	455	0,126	2	780	0.217	3.43	715	0.20	3.15	1235	0.343	5.44
70%	140	0.039	0.62	490	0,136	2,16	840	0.233	3.70	770	0.21	3.39	1330	0.370	5.86
75%	150	0.042	0.66	525	0,146	2,31	900	0.250	3.96	825	0.23	3.63	1425	0.396	6.27
80%	160	0.044	0.70	560	0,156	2,47	960	0.267	4.23	880	0.24	3.87	1520	0.422	6.69
85%	170	0.047	0.75	595	0,165	2,62	1020	0.283	4.49	935	0.26	4.12	1615	0.449	7.11
90%	180	0.050	0.79	630	0,175	2,77	1080	0.300	4.76	990	0.28	4.36	1710	0.475	7.53
95%	190	0.053	0.84	665	0,185	2,93	1140	0.317	5.02	1045	0.29	4.60	1805	0.502	7.95
100%	200	0.056	0.88	700	0,194	3,08	1200	0.333	5.28	1100	0.31	4.84	1900	0.528	8.37

Measurements

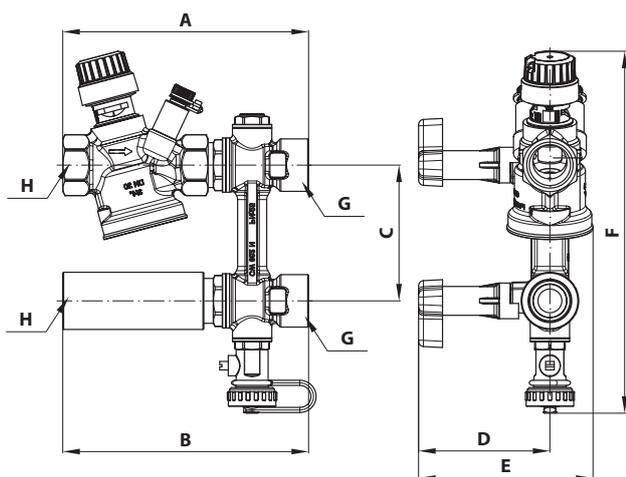


AB-QM 4.0 Flexo, DN 15-20

Dimensions



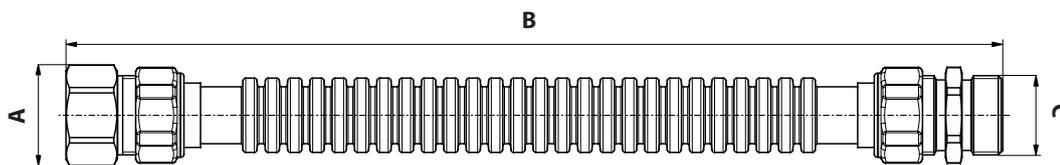
	DN15LF	DN15	DN15HF	DN20	DN20HF
A		134.5		144	
B		125		138	
C		80		80	
D		77		77	
E		98.5		102	
F		211		213	
G		Internal G $\frac{1}{2}$ "		Internal G $\frac{3}{4}$ "	
H		Internal Rp $\frac{1}{2}$ "		Internal Rp $\frac{3}{4}$ "	



	DN15LF	DN15	DN15HF	DN20	DN20HF
A		134.5		144	
B		134.5		144	
C		80		80	
D		77		77	
E		98.5		102	
F		211		213	
G		Internal G $\frac{1}{2}$ "		Internal G $\frac{3}{4}$ "	
H		Internal Rp $\frac{1}{2}$ "		Internal Rp $\frac{3}{4}$ "	

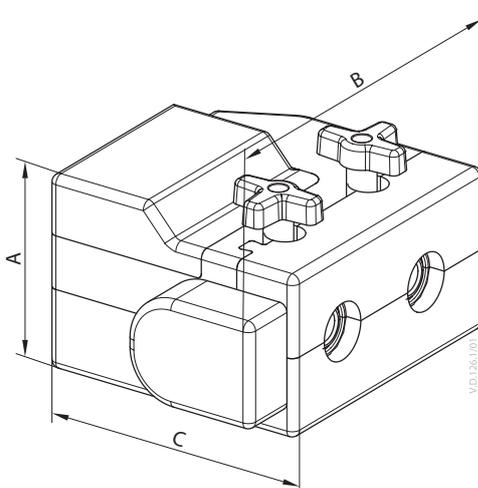
AB-QM 4.0 Flexo, DN 15-20

Dimensions



	A	B*	C
DN15	Internal G1/2" (ISO228/1)	298	External G1/2" (ISO 228/1)
DN20	Internal G3/4" (ISO228/1)	310	External G3/4" (ISO 228/1)

* The length of the flexible pipes might deviate +20 or -10mm.



	A	B	C
DN15	95	215	160
DN20	120	220	167



Danfoss A/S

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